

The InnovaPrep ACD-200 Bobcat Air Sampler Specification Sheet

Characteristics	ACD-200 Bobcat
Operating principle	Electret filter media, built-in mass flow sensor for consistent sampling rates
Air Collection rate	100 or 200 LPM
Inlet	Built-in omnidirectional aerosol inlet “Super-sampling inlet”
Collection efficiency	0.01 $\mu\text{m}$ to 10.0 $\mu\text{m}$
Temp./humidity range	Operating temp. -2°C to 60°C in non-condensing environments Storage temp. -2°C to 40°C
Decontamination	Hydrogen peroxide or alcohol wipe
Physical Size	
Filter	4.5 cm diameter active filter in 6.0 cm diameter holder
Case	17cm W x 16 cm L x 30 cm H
Weight	3.5 kg with battery
Power Source	Rechargeable 7.5 Ah Lithium Ion 28.8V or 4.8 Ah Nickel Metal Hydride 24V (2 each 12V sections) or Universal wall supply: 82-265V (47-63 Hz).
Power Consumption	Up to 14 hours on continuous mode or 6 days on extended run. Battery type dependent.
System controls	Microprocessor controlled fan speed based on mass flow sensor. 5 Status lights with light discipline for military applications. 5 user-selectable run modes, and System Status check button
Package	ABS and anodized aluminum, black oxide coated stainless steel hardware
Mounting	Built-in tripod extends to 40” at inlet
Filter Recovery Method	Wet Foam Elution
Final Sample volume	6 - 7 mL
Recovery efficiency	86-95%
Recovery time	20 seconds
Recovery equipment required	Everything is included in disposable sampling kit

Recovery system power requirements	None
Sample-to-sample carryover	0% (completely disposable)